

(FILE 'HOME' ENTERED AT 17:44:04 ON 30 SEP 2002)

FILE 'INSPEC' ENTERED AT 17:44:13 ON 30 SEP 2002

L1	12414	ELECTROLUMINESCE####
L2	108	ELECTRO (2A) LUMINESCENT
L3	40980	ELECTRO-
L4	7443	LUMINESCENT
L5	102	ELECTRO-LUMINESCENT
L6	12449	L1 OR L2 OR L5
L7	245807	PLASMA
L8	317	L6 (20A) L7
L9	317	L7 (10A) L8
L10	275053	TREAT#####
L11	4838	L7 (7A) L10
L12	29	L6 (P) L11
L13	1527	OLED# OR ORGANIC (2A) LIGHT
L14	726	L6 AND L13
L15	8	L11 AND L14
L16	10624	ZNO OR MGZNO OR CDZNO
L17	4	ZNCDO
L18	0	\

2, 3, 6, 7, 10, 11, 12, 14, 15, 16, 21, 22.

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L11 4838 L7 (7A) L10
L12 29 L6 (P) L11
L13 1527 OLED# OR ORGANIC (2A) LIGHT
L14 726 L6 AND L13
L15 8 L11 AND L14
L16 10624 ZNO OR MGZNO OR CDZNO
L17 4 ZNCDO
L18 0 \
L19 2752870 LI OR LITHIUM OR MAGNEIUM OR MG OR CESIUM OR CS OR BARIUM OR BA
L20 92846 L19 (P) L7
L21 213 L20 AND L6
L22 213 L20 (P) L6
L23 24460 L19 (10A) L7
L24 38 L6 (P) L23
L25 1937 L11 (P) L19
L26 11 L25 AND L6
L27 1937 L11 (P) L19
L28 11 L6(P) L27
L29 1 L13 (P) L23

=>

WEST**End of Result Set**☐ **Generate Collection** **Print**

L13: Entry 4 of 4

File: DWPI

Feb 18, 2000

DERWENT-ACC-NO: 2000-229725

DERWENT-WEEK: 200020

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TITLE: Organic electroluminescent element includes hole injection layer interposed between organic layers and hole injection electrode, which is plasma treated at organic layer contact surface

PATENT-ASSIGNEE: TDK CORP (DENK)

PRIORITY-DATA: 1998JP-0225312 (July 24, 1998)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2000048962 A	February 18, 2000		010	H05B033/22

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2000048962A	July 24, 1998	1998JP-0225312	

INT-CL (IPC): H05 B 33/14; H05 B 33/22

ABSTRACTED-PUB-NO: JP2000048962A

BASIC-ABSTRACT:

NOVELTY - Hole injection electrode (2) is formed on a substrate (1) and one or more sorts of organic layers (4) and cathode (6) are formed sequentially over the hole electrode. Inorganic hole injection layer (3) is interposed between the hole injection electrode and organic layers. The organic layer contact surface of hole injection layer is plasma treated.

DETAILED DESCRIPTION - The hole injection layer comprises one or more sorts of silicon oxide, silicon nitride, silicon carbide, germanium oxide, germanium nitride and germanium carbide.

USE - For organic electroluminescent element.

ADVANTAGE - Heat and weather resistance of the element is made high and leak and dark spots are prevented. Mass production is effected and highly bright organic electroluminescent element is manufactured at cheap cost.

DESCRIPTION OF DRAWING - The figure shows sectional view of organic

electrode luminescent element. (1) Substrate; (2) Hole injection electrode; (3) Inorganic hole injection layer; (4) Organic layer; (6) Cathode.

ABSTRACTED-PUB-NO: JP2000048962A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/1

DERWENT-CLASS: X26
EPI-CODES: X26-J;

WEST Search History

DATE: Monday, September 30, 2002

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L13	l10 same l12	4	L13
L12	l2 adj5 (layer or film or coat\$4)	7018	L12
L11	l10 and l2	171	L11
L10	(treat\$4 or subject\$4) near plasma	21675	L10
L9	l5 and l8	5	L9
L8	plasma not display	246198	L8
L7	l1 and l5	26	L7
L6	l1 and l5L5	0	L6
L5	l2 near plasma	190	L5
L4	l2 same l3	1	L4
L3	plasma near (treating or subjecting)	3424	L3
L2	organic adj light or oled or electroluminescent	26315	L2
L1	cathode and anode	168785	L1

END OF SEARCH HISTORY

WEST Search History

DATE: Monday, September 30, 2002

Set Name Query side by side

Hit Count Set Name result set

DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR

L27	l26 and l23	26	L27
L26	l22 and l25	226	L26
L25	plasma	296894	L25
L24	l22 and l23	46	L24
L23	((438/\$)!.CCLS.)	129104	L23
L22	l1 and l21	835	L22
L21	l13 and l20	2128	L21
L20	(organic adj light) or oled	2752	L20
L19	l17 and l18	1	L19
L18	mulpuri,.xa,xp.	429	L18
L17	l15 same l14	99	L17
L16	l3 same l14	11	L16
L15	organ\$4 or oled	1250485	L15
L14	l13 near plasma	2916	L14
L13	l11 or l12	13376669	L13
L12	calcium or ca or kalium	2107670	L12
L11	li or lithium or magnesium or mg or cesium or cs or barium or ba or ba or sodium or na or beryllium or be	12925822	L11
L10	l4 and l7 and l9	16	L10
L9	inject\$4 or block\$4	2752373	L9
L8	inject\$4 or block\$\$	2753400	L8
L7	homo or lumo	30437	L7
L6	L5	927534	L6
L5	inject\$4 or block\$4L4	927534	L5
L4	l1 same plasma	1729	L4
L3	l1 or l2	81964	L3
L2	el	63292	L2
L1	electroluminescent or electro\$luminescent or (electro adj luminescent)	26845	L1

END OF SEARCH HISTORY